

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Ferrazano on 6-26-9.

3. The application has been amended as follows:

Claim 15, line 1,

"14" had been changed to ---12---

4. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 4-10, the prior art fails to teach a method of real time optimizing transmission of a number of multimedia data packets between a multimedia source device and a multimedia display device coupled by way of a

unidirectional main link arranged to carry the multimedia data packets from the multimedia source device and the multimedia display device and a separate bi-directional auxiliary channel arranged to transfer information between the multimedia source device and the multimedia display device, comprising:

“optimizing the transmission of the multimedia data packets based upon the transmission quality factor if the bit error rate is greater than a predetermined threshold value bit error rate; and detecting a hot plug event that automatically determines when an active display device is connected to the main link and the auxiliary link; and commencing the optimization immediately subsequent to the detection of the hot plug event,” which is considered in combination with other limitations, as specified as, in the independent claim 1.

Regarding claims 12, 15–22, the prior art fails to teach an apparatus for continuous optimizing transmission of a number of multimedia data packets between a multimedia source device and a multimedia display device coupled by way of a unidirectional main link arranged to carry the multimedia data packets from the multimedia source device and the multimedia display device and separate a bi-directional auxiliary channel arranged to transfer information

between the multimedia source device and the multimedia display device, comprising: “means for optimizing the transmission of the multimedia data packets based upon the transmission quality factor if the bit error rate is greater than a predetermined threshold value bit error rate; and means for detecting a hot plug event that automatically determines when an active display device is connected to the main link and the auxiliary link; and means for commencing the optimization immediately subsequent to the detection of the hot plug event,” which is considered in combination with other limitations, as specified as, in the independent claim 12.

Regarding claims 23, 26–32, the prior art fails to teach computer program product executable by a processor for real time optimizing transmission of a number of multimedia data packets between a multimedia source device and a multimedia display device coupled by way of a unidirectional main link arranged to carry the multimedia data packets from the multimedia source device and the multimedia display device and a separate bi-directional auxiliary channel arranged to transfer information between the multimedia source device and the multimedia display device, comprising:

“computer code for optimizing the transmission of the multimedia data packets based upon the transmission quality factor by the multimedia source device if the bit error rate is greater than a predetermined threshold value bit error rate; route detecting a hot plug event that automatically determines when an active display device is connected to the main link and the auxiliary link; commencing the optimization immediately subsequent to the detection of the hot plug event; and computer readable medium for storing the computer code,” which is considered in combination with other limitations, as specified as, in the independent claim 23.

Regarding claims 34 and 36, the prior art fails to teach a method of real time optimizing transmission of a number of multimedia data packets between a multimedia source device and a multimedia display device coupled by way of a unidirectional main link arranged to carry the multimedia data packets from the multimedia source device and the multimedia display device and a bi-directional auxiliary channel arranged to transfer information between the multimedia source device and the multimedia display device, comprising:

“(d) determining if the bit error rate is greater than a predetermined threshold

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value bit error rate; and (e) optimizing the transmission of the multimedia data packets based upon the determining (d) when the bit error rate is determined to be greater than the predetermined threshold bit error rate, then determining if the transmission rate of the multimedia data packets on the main link is greater than a minimum transmission rate; detecting a hot plug event that automatically determines when an active display device is connected to the main link and the auxiliary link; and commencing the optimization immediately subsequent to the detection of the hot plug event,” which is considered in combination with other limitations, as specified as, in the independent claim 34.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONGCHAU BA NGUYEN whose

telephone number is (571)272-3148. The examiner can normally be reached on Monday-Friday from 7:00 a.m. to 3:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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